

documents and elements as well as to aid in compiling composite documents and elements for export and to facilitate user interfaces for work execution.

It should be noted that the invention's objects and relationships data model is a model, which makes possible the invention's unique approach and related benefits as a digital asset/content management system. Although this data model may be determined to have value in the architecture of the invention's objects and relationships archive, more efficient architecture for establishing this archive and differentiating its content may also be determined. For the sake of making the data-set needs necessary to realize the unique benefits of the invention, the following distinctions, descriptions and function/features are provided.

Archived Documents and Element Metadata—Addresses describing information about the documents and elements necessary to search the system's archive. This information is automatically established through a combination of information provided in the document's header, text (indexed document text) found within the document or through manual user provided descriptions entered into document import forms. For automatic entry, users and/or administrators (based on security assignments) can select any combination of header information or any document text content (key words or phrases) for inclusion in Archived Documents and Elements Metadata lists or search forms. For manual user provided descriptions the document import forms design interface allows users and/or administrators to determine the number of form fields and field names they require as well as to establish value lists for data entry or text entry fields.

- Document Construction Metadata - Provides unique identities for combined sets of and sequences of Element Specific Metadata as well as Document Specific Data and Metadata. The Document Construction Metadata is useful for expediting the compiling of documents into composite form for document export as well as for facilitating the compiling of documents and elements for the user interfaces involved with executing work. The information contained in the Document Construction Metadata is derived from the object tagging schema applied in the Document Code Parser and is based

on establishing unique relationship identities for the sets of  
Document Specific Data/Metadata and Element Specific Metadata.

- Document Specific Data and Metadata - Provides unique identities for combined sets off Document Properties and Document Property Values. The Document Specific Data and Metadata also is intended to expedite compiling documents and elements to composite form for document export as well as for user interfaces.
- Element Specific Metadata - Provides unique identities for combined sets of Element Properties and Element Property Values. As is the case with Document Construction Metadata and Document Specific Data and Metadata is intended to expedite compiling documents and elements to composite form for document export as well as for user interfaces related to element and document work execution.
- Document Properties - Contains basic reference information essential for defining a document. It includes such categories as document pages, document layers, document resolution, document color space (color model) and document orientation (landscape/portrait). Also, in some cases Document Properties would contain reference to the presence of so called document live area, bleed area and document trim area. Document Properties does not contain any specific values relative to these properties, it simply contains reference to these property factors.
- Document Property Values - Contains the specific values associated with Document Properties. Document Property Values includes such information as the number of pages in the document, the number of layers, the numeric value of the document's resolution determination of the document's orientation as being either landscape or portrait and the document's dimensions as well as the dimensions for the document's live area, bleed area and trim area and the page position for the document's live, bleed and trim areas.

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- Document Version Metadata - Contains the information necessary to establish differences between different versions of documents. Included in this are the date and time in which the version was imported, the workflow step involved with the version work execution, the name of the individual importing the document, the individual's company name and information involving the identity of the user computer involved with the document import.

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- Element Properties - Contains basic reference information essential for defining an element. It includes such categories as reference to the element's "L" and "W" dimensions, its "X" and "Y" position on the document page, reference to the page on which the element appears, the layer on which the element appears, the element's color space (color model), the element's type (text element, vector element, raster element or placed image element), the element's shape type (rectangle, circle, 5-point polygon with 5 straight connecting lines) etc. Also included in Element properties are references to element type properties such as; in the case of text elements, the font reference, the type size reference, the leading (line spacing) reference, reference to the type's tracking; in the case of placed image elements, reference to the placed image's color space, resolution file format, colors contained etc.

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- Element Property Values - Contains specific values associated with element properties. As is the case with Document Property Values, Element property values includes such information as the numeric value of the element's resolution, the numeric values of its height and width, the numeric values of its position on the page the page number and layer name on which the element appears as well as the element type specific values associated with; in the case of text, point size, leading points, tracking values, etc.

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- Element Version Metadata - Contains the information necessary to establish differences between different versions of elements.